



KTH Department of Energy Technology

Division of Energy
Systems Analysis



Hands on experience with the stand alone OnSSET tool

OnSSET - The **O**pen **S**ource **S**patial **E**lectrification **T**ool

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Software installation

Setting up the python environment

What do you need to run the OnSSET model in your laptop?

1. A programming language that is able to read the code
2. An virtual environment that enables you to communicate with this language
3. The code behind the OnSSET model

Everything is open source and free to download and use!

Software installation

Setting up the python environment

1. A programming language that is able to read the code



<https://www.continuum.io/downloads>

Software installation

Setting up the python environment

2. An virtual environment (IDE) that enables you to communicate with this language



<https://www.jetbrains.com/pycharm/>

Software installation

Setting up the python environment

3. The code behind the OnSSET model



<https://github.com/KTH-dESA/PyOnSSET>

Preparing & Running the OnSSET model

Description of input elements

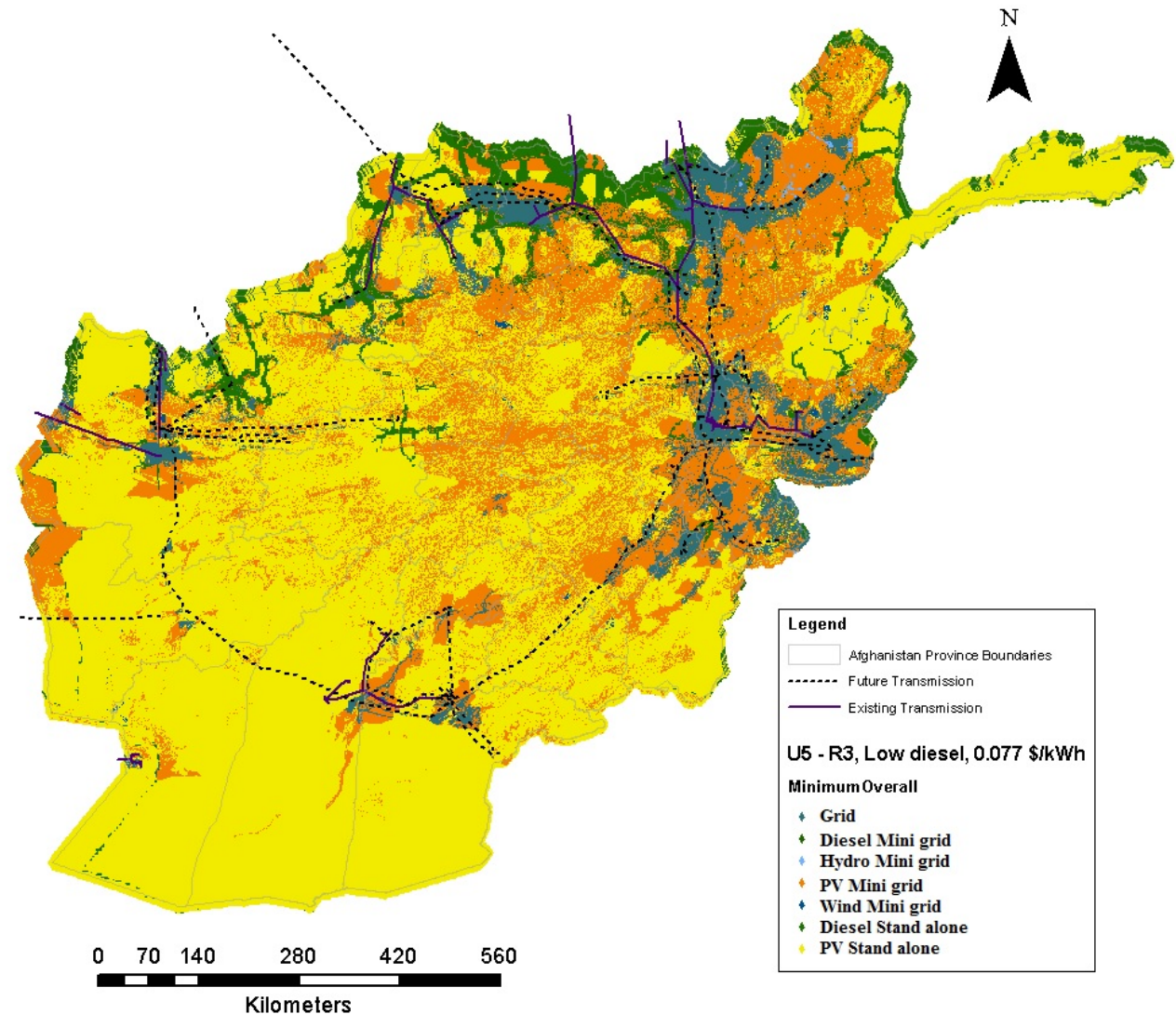
1. Insert the Afghanistan.csv file from GIS in 1 km² in the working directory
2. Inspect the specs.xlsx file containing the calibration variables
3. Set up the interpreter default settings in Pycharm
4. Run the onsset.py code (be careful with setting the working directory)
5. Run the runner.py code (be careful with setting the working directory)

Please refer to the instruction sheet for a step by step description of the process

Results and visualization

Summaries and maps

From csv to ..



Help and assistance

Where can I get help for OnSSET

In OnSSET.org you can find an active online community

